

s/n: 10/700,068  
date: 10-18-05

2597 ((359/642,668) or (385/33)).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	10/18/05 18:31
874 (359/642,668).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	10/18/05 18:31
1739 (385/33).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	10/18/05 18:43
13 ("3761184"   "4671625"   "4832464").PN. OR ("5031991").URPN.	US-PGPUB; USPAT; USOCR; US-PGPUB; USPAT; USOCR;	10/18/05 18:48
7646 ((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	10/18/05 19:38
319310 @ad>="20040908"	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	10/18/05 19:39
1071 6 and (lens with fiber)	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	10/18/05 19:40
21 7 and ((focal near2 point) same aperture)	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	10/18/05 19:41
(optical and focal and point and numerical and aperture and fiber 65 and distance).clm.	IBM_TDB US-PGPUB; USPAT; USOCR;	10/18/05 19:42
6100 ((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	10/18/05 19:38
((numerical adj aperture) with divid\$4 with equal with (focal adj 0 point))	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	5/4/05 14:48
88716 (substantially adj equal).clm.	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	5/4/05 14:48
319 S76 and S81	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	5/4/05 14:48
S76 and ((numerical adj aperture) with divid\$4 with equal with 0 (focaladjpoint))	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	5/4/05 14:35
0 ((numerical adj aperture) with divid\$4 with equal with (focaladjpoint))	IBM_TDB US-PGPUB; USPAT; USOCR;	5/4/05 14:35
("6and((numericaladjaperture)withdivid\$4withequalwith(focaladjpoint 0 ))").PN.	IBM_TDB US-PGPUB; USPAT; USOCR;	5/4/05 14:34
7185 ((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.	IBM_TDB	5/4/05 14:33
385 master adj oscillator adj power adj amplifier	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:48
551 (master adj oscillator adj power adj amplifier) or MOPA	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:48
((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.)		
12 and ((master adj oscillator adj power adj amplifier) or MOPA)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:48

7 ((master adj oscillator adj power adj amplifier) and (fiber same focus)) and (planar same waveguide)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:45
3 (((master adj oscillator adj power adj amplifier) and (fiber same focus)) and (planar same waveguide)) not (((master adj oscillator adj power adj amplifier) and (fiber same focus same collimat\$5)) and (planar same waveguide))	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:45
4 ((master adj oscillator adj power adj amplifier) and (fiber same focus same collimat\$5)) and (planar same waveguide)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:44
13 (master adj oscillator adj power adj amplifier) and (fiber same focus same collimat\$5)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:42
46 (master adj oscillator adj power adj amplifier) and (fiber same focus)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:12
204 (master adj oscillator adj power adj amplifier) and fiber	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:10
6 5701373.URPN.	USPAT	9/1/04 13:13
10 5031991.URPN.	USPAT	9/1/04 13:05
3 ("3761184"   "4671625"   "4832464").PN.	USPAT	9/1/04 13:05
10 5031991.URPN.	USPAT	9/1/04 11:14
("Re33722"   "4143940"   "4203652"   "4243399"   "4253724"   "4307409"   "4327963"   "4337531"   "4370021"   "4440470"   "4495704"   "4639075"   "4674011"   "4701013"   "4708426"   "4720632"   "4722081"   "4763979"   "4775214"   "4780877"   "4784466"   "4786132"   "4799210"   "4807954"   "4832469"   "4919506"   "4921320"   "4931637"   "4948221"   "4955025"   "4966444"   "4969702"   "5031991"   "5046817"   "5054878"   "5066092"   "5080506"   "5080706"   "5088803"   "5108167"   "5140608"   "5151810"   "5181224"   "5224111"   "5237348"   "5256851").PN.	USPAT	9/1/04 11:09
10 5031991.URPN.	USPAT	9/1/04 11:08
optical with (coupl\$5 or align\$5) with lens with fiber with collimat\$5		
242 with focus\$5	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:05
(((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.) and (optical with (coupl\$5 or align\$5) with lens with fiber with collimat\$5 with focus\$5)	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:05
(optical with (coupl\$5 or align\$5) with lens with fiber with collimat\$5 with focus\$5) with spherical with cylind\$5	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:04
4 amorphous with spherical with cylind\$5	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:04
(optical with (coupl\$5 or align\$5) with lens with fiber with collimat\$5 with focus\$5) with sperical with cylind\$5	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:03
((collimat\$5 with focus) and fiber and (axis or (vertical same 10 lateral))) and (master adj oscillator adj power adj amplifier)	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:02
18217 optical adj coupl\$5	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:02
114318 optical with (coupl\$5 or align\$5)	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:02
5863 optical with (coupl\$5 or align\$5) with lens with fiber	US-PGPUB; USPAT; IBM_TDB	9/1/04 11:02
5 ("5870417"   "6058128"   "6125222"   "6188705"   "6226311").PN.	USPAT	9/1/04 11:01
1 ((anamorphic adj lens).ti.) and (collimat\$5 same focus)	US-PGPUB; USPAT; IBM_TDB	9/1/04 10:58
31 (anamorphic adj lens).ti.	US-PGPUB; USPAT; IBM_TDB	9/1/04 10:51
36 spherical with collimate with focus	US-PGPUB; USPAT; IBM_TDB	9/1/04 10:50

(((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.) and ((collimat\$5 with focus) and fiber and (axis or (vertical same 244 lateral)))	US-PGPUB; USPAT; IBM_TDB	9/1/04 10:45
1580 (collimat\$5 with focus) and fiber and (axis or (vertical same lateral))	US-PGPUB; USPAT; IBM_TDB	9/1/04 10:43
(spherical with collimat\$5 with lens) and (anamorph\$5 with focus 13 with lens)	US-PGPUB; USPAT; IBM_TDB	9/1/04 10:42
4978 collimat\$5 with focus	US-PGPUB; USPAT; IBM_TDB	9/1/04 10:42
1390 spherical with collimat\$5 with lens	US-PGPUB; USPAT; IBM_TDB	9/1/04 10:40
121 anamorph\$5 with focus with lens ("4214216"   "4246548"   "4503541"   "4504950"   "4583226"   "4689797"   "4730325"   "4809288"   "4852113"   "4866724"   "4995047"   "4995050"   "5012483"   "5018831"   "5027359"   "5033054"   "5050180"   "5063570"   "5163058"   "5179548"   "5272711"   "5297154"   "5299219"   "5319659"   "5392308"   29 "5430748"   "5438585"   "5485481"   "5572542").PN. 5 6212216.URPN.	US-PGPUB; USPAT; IBM_TDB USPAT USPAT	9/1/04 10:40 9/1/04 9:10 9/1/04 9:09
1460 fast with slow with axis (((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.) 85 and (fast with slow with axis)	US-PGPUB; USPAT; IBM_TDB US-PGPUB; USPAT; IBM_TDB	9/1/04 8:58 9/1/04 8:58
21 (beam adj shap\$5) same (fast with slow with axis)	US-PGPUB; USPAT; IBM_TDB	9/1/04 8:12
11408 beam adj shap\$5	US-PGPUB; USPAT; IBM_TDB US-PGPUB; USPAT; USOCR;	9/1/04 8:11
6100 ((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS. ((beam adj shap\$5) same (((spherical or collimat\$5) same cylind\$5) with lens)) and (((359/642,641,668,793-795) or 17 (385/52,31,33,38,34,92-94)).CCLS.)	IBM_TDB US-PGPUB; USPAT; IBM_TDB	9/1/04 7:43 9/1/04 7:43
68 ((359/668).CCLS.) and ((spherical or collimat\$5) same cylind\$5) (((359/668).CCLS.) and ((spherical or collimat\$5) same cylind\$5)) 24 and (fiber and (diode or laser or beam))	US-PGPUB; USPAT; IBM_TDB US-PGPUB; USPAT; IBM_TDB	9/1/04 7:42 9/1/04 7:42
47189 ((spherical or collimat\$5) same cylind\$5)	US-PGPUB; USPAT; IBM_TDB	9/1/04 7:42
7969 ((spherical or collimat\$5) same cylind\$5) with lens (beam adj shap\$5) same (((spherical or collimat\$5) same cylind\$5) 335 with lens) 1 6542314.PN.	US-PGPUB; USPAT; IBM_TDB US-PGPUB; USPAT; IBM_TDB USPAT US-PGPUB; USPAT; USOCR;	9/1/04 7:42 9/1/04 7:42 9/1/04 7:41
217 (359/668).CCLS. 26 4475788.URPN. 15 4564268.URPN. 14 5319496.URPN. ("4180325"   "4606622"   "5243619"   "5294971"   "5319496"   8 "5352886"   "5825476"   "5896194").PN. ("4884281"   "5168401"   "5243619"   "5418880"   "5825551"   "5887096"   "5987794"   "6044096"   "6151168"   "6243210"   11 "6529542"   "2002/0015558"   "2002/0159156").PN. 6 6151168.URPN. 13 5243619.URPN.	IBM_TDB USPAT USPAT USPAT USPAT USPAT USPAT USPAT	9/1/04 7:35 8/31/04 17:18 8/31/04 17:14 8/31/04 17:10 8/31/04 17:08
	USPAT USPAT USPAT	8/31/04 17:06 8/31/04 17:05 8/31/04 17:01

9 ("4061814"   "4738532"   "5168401"   "5243619"   "5369661"   "5418880"   "5515391"   "5517328"   "5544184").PN.	USPAT	8/31/04 16:59
("3396344"   "4185891"   "4318594"   "4530574"   "4655590"   "4707584"   "4763975"   "4818062"   "4826269"   "4978197"   "4990741"   "5066100"   "5120926"   "5127068"   "5168401"   "5258989"   "5268978"   "5365032"   "5463534"   "5541951"   "5715270"   "5717804"   "5886313"   "6044096").PN.	USPAT	8/31/04 16:48
8 ("3396344"   "4530574"   "4547038"   "4822151"   "5058981"   "5216562"   "5369661"   "5453814").PN.	USPAT	8/31/04 16:47
("3974507"   "4203652"   "4253735"   "4318594"   "4530574"   "4589115"   "4656641").PN.	USPAT	8/31/04 16:44
("3317267"   "3701044"   "4203652"   "4235507"   "4246548"   "4253735"   "4255717"   "4272651"   "4280108"   "4306278"   "4318594"   "4323297").PN.	USPAT	8/31/04 16:41
23 4530574.URPN.	USPAT	8/31/04 16:40
("3701044"   "3974507"   "4203652"   "4253735"   "4255717"   "4318594"   "4323297"   "4530574").PN.	USPAT	8/31/04 16:40
26 4318594.URPN.	USPAT	8/31/04 16:39
(collimat\$4 with lens) and (cylindrical with lens) and (diode same fiber same x\$2axis same y\$2axis)	US-PGPUB; USPAT; IBM_TDB	8/31/04 16:38
1 ("5319528").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	8/31/04 16:38
("3273072"   "3590248"   "3736518"   "4185891"   "4293827"   "4318594"   "4397525"   "4475788"   "4520471"   "4575194"   "4609258"   "4641912"   "4643538"   "4681396"   "4688884"   "4689482"   "4701005"   "4725131"   "4726645"   "4732448"   "4759616"   "4761059"   "4763975"   "4768184"   "4770653"   "4791631"   "4807954"   "4813762"   "4901330"   "4905690"   "4922502"   "5081637").PN.	USPAT	8/31/04 16:38
((((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.) and (lens same astigmat\$5 same axis same fiber)	US-PGPUB; USPAT; IBM_TDB	8/31/04 16:35
("4203652"   "4235507"   "4318594"   "4530574"   "4744089"   "4951293"   "4953166"   "5003550"   "5088105"   "5111153"   "5175643"   "5237636"   "5249190"   "5265116"   "5270853"   "5278851").PN.	USPAT	8/31/04 16:28
19 4942583.URPN.	USPAT	8/31/04 16:03
23 4530574.URPN.	USPAT	8/31/04 15:59
40 4203652.URPN.	USPAT	8/31/04 15:57
("2303113"   "3652150"   "3749477"   "3751138"   "4017160"   "4203652"   "4253735"   "4318594"   "4362367"   "4530574"   "4744073"   "5095386"   "5181224"   "5467335"   "5499262"   "5844723"   "5973853"   "6088168"   "6088170").PN.	USPAT	8/31/04 15:56
49 lens same astigmat\$5 same axis same fiber	US-PGPUB; USPAT; IBM_TDB	8/31/04 15:54

Interference Search History

s/n: 10/700,068

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(optical and focal and point and numerical and aperture and fiber  
65 and distance).clm.

US-PGPUB; USPAT

10/18/05 19:42